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ABSTRACT OF THE DISCLOSURE

A camera system for a transmission electron microscope includes a luminescent screen and prism within the transmission electron microscope evacuated housing and a camera outside the housing. An optical lens system between the prism and the camera can be provided on opposite sides of a wall of the housing have a vacuum window. The luminescent screen, prism, optical lens system and camera have a common structure fixedly connecting them together and enabling them to shift relative to the electron beam via a pneumatic effector.

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